

BlueTrace Oil in Water Sensor

The **BlueTrace Oil in Water Sensor** is a compact fluorescence probe for the measurement of BTEX and refined oil in water. The robust design of the BlueTrace Sensor allows for applications in harsh conditions, such as corrosive media or at high pressure.



Parameters

- BTEX
- Refined oil in water

Application Areas



Drinking Water

- Quality control
- Alarm systems



Wastewater

- Effluent monitoring
- Trend analysis
- Early detection of discharge



Process Measurement & Control Technology

- Process monitoring in industrial facilities
- Control of process water treatment
- Process optimization



Environmental Monitoring

- River water
- Surface water

Technical data

Power supply	8 - 32 V DC
Power consumption (typical)	0.5 W
Measuring principle	Fluorescence measurement Evaluation (300 - 400 nm)
Measuring range	0 - 30 ppm
Measuring accuracy	3 % FS
Detection limit	0.1 ppm
Measuring interval	≥ 1 s
Light source	< 300 nm
Material	Stainless steel 1.4404 / Titanium [optional]
Operation temperature range	0 °C to +45 °C
Weight	0.8 kg
Dimensions	Length 150 mm; Ø 38 mm
Maximum pressure	6 bar
Interface	Modbus [RTU]
Art. no.	461 6200

Main Functions & Features



Selectable Measuring Range



Insensitive to Ambient Light



Easy Calibration



High Pressure Resistance



Compact Design



Low Power Demand



Robust & Non-corrosive



Modbus Interface